

DETAILED ACTION

Response to Amendment

1. Applicant's remarks/amendment, see page 10, filed 2/10/2012, with respect to the rejection of claims 10-15, 33-51 have been fully considered and are persuasive. The rejection of claims 10-15, 33-51 has been withdrawn in light of the amendment.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert N. Rountree on 4/13/2012 and 4/16/2012.

The application has been amended as follows:

IN THE CLAIM(s):

Claim 10, line 18, the term "the original data bits with CRC bits and the parity bits" has been replaced with -- the original data bits with CRC bits --.

Claim 16, line 13, the term "a controller" has been replaced with -- the controller --.

Allowable Subject Matter

3. Claims 10-12, 14-22, 33, 36-42, 44-47, 49-51 are allowed.

Reason for Allowance

4. The following is an examiner's statement of reasons for allowance:

The prior art of record either considered alone or in combination neither teaches nor renders obvious, a data communication apparatus comprising, in combination with other claimed limitations, a data path coupled between, said encoder and. said output, said data path receiving information from said another data communication apparatus, said data path selecting one of the original data bits with Cyclical Redundancy Check (CRC) bits and the parity bits in response to an acknowledgement., said data path selecting the other of the original data bits with CRC bits and the parity bits in response to a negative acknowledgement indicating that an earlier transmission has not been received correctly at said another communication apparatus, said data path responsive to the negative acknowledgement for changing its selection from of the original data bits with CRC bits to the other of the original data with CRC bits and the parity bits. Such limitation as recited in the independent claims 10 and 16 is neither anticipated nor rendered obvious by the prior art of record.

The prior art of record either considered alone or in combination neither teaches nor renders obvious, a method of communicating data from a transmitting end to a receiving end, comprising, in combination with other claimed limitations, the receiving end combining a received version of the original data bits and a received version of the parity bits to produce a combined set of received bits, and the receiving end applying to the combined set of received bits a decoding algorithm that corresponds to said encoding algorithm.

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Such limitation as recited in the independent claims 33, 40, 42 and 46 is neither anticipated nor rendered obvious by the prior art of record.

Claims 11-12, 14-15, 17-22, 36-39, 41, 44-45, 47, 49-51 are allowed by virtue of their dependency to claims rendered above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to QUTBUDDIN GHULAMALI whose telephone number is (571) 272-3014. The examiner can normally be reached on Monday-Friday, 7:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Ometz can be reached on (571) 272-7593. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

QG.

April 16, 2012.

/David L. Ometz/

Supervisory Patent Examiner, Art Unit 2611